



Standards *Actions*



Technical Standards Program Document Status (3/31/2000)

Activity Summary

In Conversion – 4

In Preparation – 36

Out for Comment – 18

Published this Month – 0

5-year Reviews

In Revision – 3

In Reaffirmation – 1

To be Superseded – 6

Cancellations Pending – 9

Cancellations in Progress – 1

No Current Action – 12

DOE Technical Standards Projects Canceled

The following DOE Technical Standards projects were recently canceled.

If you have any questions about this action, please contact the persons listed below.

- *Accelerated Learning - A Systematic Approach*, Project Number 6910-0061; Eula Baldwin, EH-31; 208-526-9472, egb@inel.gov. The need for this document no longer exists.
- *Environmental Safety and Health Configuration Guide*, Project Number FACR-0013; Chandra S. Majumdar, EM-23; 301-903-7904, Fax 301-903-4423, Chandra.Majumdar@em.doe.gov. The need for a DOE Technical Standard on this matter no longer exists.
- *Occupational Safety and Health Handbook*, Project Number HFAC-0011; Terry Krietz, EH-51; 301-903-6456, Fax 301-903-2239, Terry.Krietz@hq.doe.gov. The need for this document no longer exists.
- *Implementation Guide for Quality Assurance Programs for DOE Contractor Occupational Medical Departments*, Project Number QCIC-0009; Cheryl Keller, EH-61; 301-903-9846, Fax 510-637-2078, cheryl.keller@oak.doe.gov. The need for this document no longer exists.
- *Environment, Safety and Health Management Planning Process and the Environment, Safety and Health Management Plan*, Project Number QCIC-0010; Michael Moore, EH-73; 202-586-0712, Mike.Moore@hq.doe.gov. The need for this document no longer exists.
- *Criticality Safety Program Guide for Nonreactor Nuclear Facilities*, Project Number SAFT-0002; Richard M. Stark, EH-31; 301-903-4407, Richard.Stark@hq.doe.gov. The need for this document has been met by DOE G 421.1-1, *DOE Good Practices Guide, Criticality Safety Good Practices Program Guide for DOE Nonreactor Nuclear Facilities*, August 25, 1999.
- *Health and Safety Plan Review Criteria* (limited coordination), Project Number SAFT-0043; Chandra S. Majumdar, EM-23; 301-903-7904, Fax 301-903-4423 Chandra.Majumdar@em.doe.gov. The need for this document no longer exists.
- *Health and Safety Plan Review Criteria* (full coordination), Project Number SAFT-0044; Chandra S. Majumdar, EM-23; 301-903-7904, Fax 301-903-4423 Chandra.Majumdar@em.doe.gov. The need for this document no longer exists.
- *Safety and Health Integrated Program Guide*, Project Number SAFT-0047; Owen O. Thompson, EM-44; 301-903-1926, Fax 301-903-7604, Owen.Thompson@em.doe.gov. The need for this document no longer exists.
- *Criticality Safety Program Guide for DOE Nonreactor Nuclear Facilities*, Project Number SAFT-0050; Burton M. Rothleder, 301-903-3726, Fax 301-903-6172, Burton.Rothleder@hq.doe.gov. The need for this document has been met by DOE G 421.1-1, *DOE Good Practices Guide, Criticality Safety Good Practices Program Guide for DOE Nonreactor Nuclear Facilities*, August 25, 1999.

DOE Technical Standards Recently Sent for Coordination

The following draft DOE Technical Standards were recently distributed for coordination.

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of these documents is available on the Technical Standards Program (TSP) Web Site at the URL shown at the bottom of this page.



Visit the Technical Standards Program Web Site: <http://tis.eh.doe.gov/techstds/>

If you wish to comment on these documents, please notify your TSM.

- *Planning and Conduct of Operational Readiness Reviews (ORR)*, Project Number OPER-0003; Jeffry Roberson, DP-45; 301-903-8026, Fax 301-903-7065, **Jeffry.Roberson@ns.doe.gov**. This document will update DOE-STD-3006-95. Comments are due May 18, 2000.
- *Criteria for Packaging and Storing Uranium 233-Bearing Materials*, Project Number SAFT-0067; Ray Cooperstein, DP-45; 301-903-5353, **Raymond.Cooperstein@dp.doe.gov**. Comments are due June 5, 2000. This project was originally released for coordination on May 22, 1998, and then re-released on January 4, 1999, for review and comment as well as interim use. This notice announces the formal comment period.
- *General Technical Base Qualification Standard, DOE Defense Nuclear Facilities Technical Personnel*, Project Number TRNG-0013; Norman Schwartz, EH-31; 301-903-2996, Fax 301-903-6172, **norm.schwartz@eh.doe.gov**. Comments are due May 24, 2000. The resulting standard will revise the Technical Qualification Program standard *General Technical Base Qualification Standard*, May 1995.

DOE Technical Standards Recently Published

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; telephone 1-800-473-4375 or Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

Copies of DOE Technical Standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of Page 1. The following document was recently posted on the TSP Web Site.

- DOE-HDBK-3010-94, *Airborne Release Fractions/Rates and Respirable Fractions for Nonreactor Nuclear Facilities Volume 1 - Analysis of Experimental Data*, December 1994, Change Notice No. 1, March 2000.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) bi-weekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, e-mail sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, **global@ihs.com**, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for com-

menting on the same may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- A10.8, *Scaffolding - Safety Requirements* (new standard) - May 9, 2000.
- API 572 (Second Edition), *Inspection of Pressure Vessels (Towers, Drums, Reactors, Heat Exchangers, and Condensers)* (revision of ANSI/API 572-1992) - April 25, 2000.
- API 573 (Second Edition), *Inspection of Fired Boilers and Heaters* (revision of ANSI/API 573-1992) - April 25, 2000.
- API 574, *Inspection of Piping, Tubing, Valves, and Fittings* (revision of ANSI/API 574-1992) - April 25, 2000.
- API 575 (Second Edition), *Inspection of Atmospheric and Low Pressure Storage Tanks* (new standard) - April 25, 2000.
- API 576, *Inspection of Pressure-Relieving Devices* (new standard) - April 25, 2000.
- API 580, *Risk-Based Inspection* (new standard) - April 25, 2000.
- API 2610 (Second Edition), *Design, Construction, Operation, Maintenance and Inspection of Terminal and Tank Facilities* (revision of ANSI/API 2610-1994) - April 25, 2000.
- ASME MH1(b) Part 9-2000, *Wood Pallets for U.S. Government Use* (new standard) - May 23, 2000.
- ASME PTC 12.1-2000, *Performance Test Code - Closed Feedwater Heaters* [revision of ANSI/ASME PTC 12.1-1978 (R1987)] - May 9, 2000.
- ASTM A182/A182M, *Specification for Forged or Rolled Alloy-Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service* (revision of ANSI/ASTMA182M-99) - May 9, 2000.
- ASTM A240/A240M, *Specification for Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels* (revision of ANSI/ASTMA240/A240M-99) - May 9, 2000.
- ASTM A312/A312M, *Specification for Seamless and Welded Austenitic Stainless Steel Pipes* (revision of ANSI/ASTM A312-95A) - May 9, 2000.
- ASTM A615/A615M, *Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement* (revision of ANSI/ASTM A615) - May 9, 2000.
- ASTM D2143, *Test Method for Cyclic Pressure Strength of Reinforced, Thermosetting Plastic Pipe* (new standard) - May 23, 2000.
- ASTM Z7092Z, *Specification for Polymer Concrete Pipe* (new standard) - May 23, 2000.
- ASTM Z7280Z, *Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, and Structural and High-Strength, Low Alloy* (new standard) - May 9, 2000.

- ASTM Z7281Z, *Specification for Steel, Sheet and Strip, Cold-Rolled, Carbon, and Structural and High-Strength, Low Alloy* (new standard) - May 9, 2000.
- AWS B4.0, *Standard Methods for Mechanical Testing of Welds* (revision of ANSI/AWS B4.0-98) - April 25, 2000.
- AWS D17.1, *Specification for Fusion Welding for Aerospace Applications* (new standard) - May 23, 2000.
- C29.13-2000, *Composites - Distribution Type Insulators* (new standard) - April 25, 2000.
- EIA SP-4493 (if approved, to be published as ANSI/EIA 830), *Model for Intergrating Metrics into the Procurement Process* (new standard) - May 9, 2000.
- H35.1, *Alloy and Temper Designation Systems for Aluminum* (revision of ANSI H35.1-1997) - May 9, 2000.
- IEEE 929-2000, *Recommended Practice for Utility Interface of Photovoltaic (PV) Systems* [revision of ANSI/IEEE 929-1987 (R1991)] - May 23, 2000.
- IEEE 1363-2000, *Standard Specifications for Public Key Cryptography* (new standard) - May 23, 2000.
- IEEE 1402-2000, *Guide for Electric Power Substations Physical and Electronic Security* (new standard) - May 23, 2000.
- ISO/ASQ Q9000-2000, *Quality Management Systems - Concepts and Terminology* (revision, redesignation and consolidation of ANSI/ASQC Q9000-1-1994 and ANSI/ASQC A8402-1994) - April 25, 2000.
- ISO/ASQ Q9001-2000, *Quality Management Systems - Requirements* (revision and redesignation of ANSI/ASQC Q9001-1994) - April 25, 2000.
- ISO/ASQ Q9004-2000, *Quality Management Systems - Guidelines for Performance Improvements* (revision and redesignation of ANSI/ASQC Q9004-1-1994) - April 25, 2000.
- N43.4, *Classification of Radioactive Self-Luminous Light Sources* [revision of ANSI N43.4-1975 (R1989)] - May 9, 2000.
- N43.10, *Safe Design and Use of Panoramic, Wet Source Storage Gamma Irradiators (Category IV) and Dry Source Storage Gamma Irradiators (Category II)* (new standard) - May 9, 2000.
- NECA/IESNA 501, *Recommended Practice for Installing Exterior Lighting Systems* (new standard) - May 9, 2000.
- NETA MTS 7.6.2.4 Rev 1, *Maintenance Testing Specifications for Medium-Voltage SF₆ Circuit Breakers* (new standard) - May 9, 2000.
- NETA MTS 7.6.3.1 Rev 1, *Maintenance Testing Specifications for High-Voltage Oil Circuit Breakers* (new standard) - May 9, 2000.
- NETA MTS 7.6.3.2 Rev 1, *Maintenance Testing Specifications for High-Voltage SF₆ Circuit Breakers* (new standard) - May 9, 2000.
- NFPA 30, *Flammable and Combustible Liquids Code* (revision of ANSI/NFPA 30-1996) - May 9, 2000.
- NFPA 45, *Standard on Fire Protection for Laboratories Using Chemicals* (revision of ANSI/NFPA 45-1996) - May 9, 2000.
- NFPA 214, *Standard on Water-Cooling Towers* (revision of ANSI/NFPA 214-1996) - May 9, 2000.
- NFPA 241, *Standard for Safeguarding Construction, Alteration, and Demolition Operations* (revision of ANSI/NFPA 241-1996) - May 9, 2000.

- NFPA 654, *Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids* (revision of ANSI/NFPA 654-1997) - May 9, 2000.
- NFPA 853, *Standard for the Installation of Stationary Fuel Cell Power Plants* (new standard) - May 9, 2000.
- NFPA 1000, *Standard for Fire Service Professional Qualifications Accreditation and Certification Systems* (revision of ANSI/NFPA 1000-1994) - May 9, 2000.
- NFPA 1145, *Guide for the Use of Class A Foams in Manual Structural Fire Fighting* (new standard) - May 9, 2000.
- NFPA 1583, *Standard on Health Related Fitness Programs for Fire Fighters* (new standard) - May 9, 2000.
- NFPA 1915, *Standard for Fire Apparatus Preventative Maintenance Program* (new standard) - May 9, 2000.
- UL 132, *Standard for Safety for Safety Relief Valves for Anhydrous Ammonia and LP-Gas* (new standard) - May 23, 2000.
- UL 305, *Standard for Safety for Panic Hardware* (new standard) - April 9, 2000.
- UL 347, *Standard for Safety for High Voltage Industrial Control Equipment* (new standard) - May 9, 2000.
- UL 555, *Standard for Safety for Fire Dampers* (new standard) - May 23, 2000.
- UL 840, *Standard for Safety for Insulation Coordination Including Clearances and Creepage Distances for Electrical Equipment* (revision of ANSI/UL 840-1994) - April 25, 2000.
- UL 2202, *Standard for Safety for Electric Vehicle (EV) Charging System Equipment* (new standard) - May 9, 2000.
- Z83.18, *Direct Gas-Fired Industrial Air Heaters* (revision of ANSI Z83.18-1990) - May 23, 2000.
- Z136.1, *Safe Use of Lasers* (revision of ANSI Z136.1-1993) - April 25, 2000.

The following American National Standards have been approved for publication: (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.)

- ANSI A10.38-2000, *Basic Elements of a Program to Provide a Safe and Healthful Work Environment* (revision of ANSI A10.38-1991) - March 3, 2000.
- ANSI A14.7-2000, *Mobile Ladder Stands and Mobile Ladder Stand Platforms, Safety Requirements for* (revision of ANSI A14.7-1991) - January 24, 2000.
- ANSI/ANS 3.11-00, *Determining Meteorological Information at Nuclear Facilities* (new standard) - February 16, 2000.
- ANSI/ASME AG-1a-2000, *Code on Nuclear Air and Gas Treatment* (supplement to ANSI/ASME AG-1-1994) - February 23, 2000.
- ANSI/ASME PVHO-1b-2000, *Safety Standard for Pressure Vessels for Human Occupancy* (supplement to ANSI/ASME PVHO-1-1997 Edition) - February 2, 2000.
- ANSI/ASTM D883-99, *Terminology Relating to Plastics* (revision of ANSI/ASTM D883-98) - January 18, 2000.
- ANSI/ASTM D1711-99, *Terminology Relating to Electrical Insulation* (revision of ANSI/ASTM D1711-98) - December 7, 1999.

- ANSI/ASTM D2997-99, *Specification for Centrifugally Cast "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe* (new standard) - January 18, 2000.
- ANSI/ASTM D6469-99, *Guide to Microbial Contamination in Fuels and Fuel Systems* (new standard) - January 18, 2000.
- ANSI/ASTM D6470-99, *Method for Salt in Crude Oils (Potentiometric Method)* (new standard) - January 18, 2000.
- ANSI/ASTM E1039-99, *Test Method for Calibration and Characterization of Non-Concentrator Terrestrial Photovoltaic Reference Cells Under Global Irradiation* (revision of ANSI/ASTM E1039-94) - December 7, 1999.
- ANSI/ASTM E1328-99, *Terminology Relating to Photovoltaic Solar Energy Conversion* (revision of ANSI/ASTM E1328-94) - December 7, 1999.
- ANSI/ASTM E1362-99, *Test Method for Calibration of Non-Concentrator Photovoltaic Secondary Reference Cells* (revision of ANSI/ASTM E1362-95) - December 7, 1999.
- ANSI/ASTM E2047-99, *Test Method for Wet Insulation Integrity Testing of Photovoltaic Arrays* (new standard) - December 7, 1999.
- ANSI/ASTM E2097-00, *Practice for Full Scale Oxygen Consumption Calorimetry Fire Tests* (new standard) - February 10, 2000.
- ANSI/ASTM F1987-00, *Specification for Composite Pipe Compression Fittings and Compression Joints for Hydronic Heating Systems* (new standard) - January 10, 2000.
- ANSI/AWS C1.1M/C1.1-2000, *Recommended Practices for Resistance Welding* (new standard) - January 31, 2000.
- ANSI/CI Pamphlet 1-1997, *The Chlorine Manual, Edition 6* (new standard) - February 29, 2000.
- ANSI/CSA NGV2a-2000, *Basic Requirements for Compressed Natural Gas Vehicle (NGV) Fuel Containers* (supplement to ANSI/IAS NGV2-1998) - March 3, 2000.
- ANSI/EASA AR100-1998, *Recommended Practice for the Repair of Rotating Electrical Apparatus* (new standard) - February 11, 2000.
- ANSI/IEEE 1313.2-1999, *Guide for the Application of Insulation Coordination* (new standard) - February 29, 2000.
- ANSI/IEEE C63.011-2000, *Limits and Methods of Measurement of Radio Disturbance Characteristics of Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment* (new standard) - February 2, 2000.
- ANSI/IEEE C95.2-1999, *Standard for Radio Frequency Energy and Current Flow Symbols* (new standard) - January 24, 2000.
- ANSI/ISEA 105-2000, *Hand Protection Selection Criteria* (new standard) - February 25, 2000.
- ANSI/NAAMM HMMA 861-00, *Specifications for Commercial Hollow Metal Doors and Frames* (new standard) - February 16, 2000.
- ANSI/NECA/EGSA 404-2000, *Recommended Practice for Installing Generator Sets* (new standard) - February 23, 2000.
- ANSI/NSF 60-99, *Drinking Water Treatment Chemicals - Health Effects* (revision of ANSI/NSF 60-1996a) - November 30, 1999.
- ANSI/TIA/EIA 455-126-2000, *Spectral Characterization of LEDs* (new standard) - February 2, 2000.

- ANSI/UL 147A-00, *Standard for Safety for Nonrefillable (Disposable) Type Fuel Gas Cylinder Assemblies* (revision of ANSI/UL 147A-1994) - February 16, 2000.
- ANSI/UL 299-2000, *Standard for Safety for Automatic Sprinklers for Fire Protection Service* (revision of ANSI/UL 299-1997) - February 29, 2000.
- ANSI Z129.1-2000, *Hazardous Industrial Chemicals - Precautionary Labeling* (revision of ANSI Z129.1-1994) - February 18, 2000.

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 416-1:1999/prA1, *Single-burner gas-fired overhead radiant-tube heaters for non-domestic use - Part 1: Safety* (for information).
- EN 656:1999/prA1, *Gas-fired central heating boilers - Type B boilers of nominal heat input exceeding 70 kW but not exceeding 300 kW* - June 27, 2000.
- EN 1653:1997/prA1, *Copper and copper alloys - Plate, sheet and circles for boilers, pressure vessels and hot water storage units* - April 27, 2000.
- EN 60076-1:1997/prAB:1999, *Power transformers - Part 1: General* - May 7, 2000.
- ISO/DIS 1523, *Determination of flash point - Closed cup equilibrium method* - June 10, 2000.
- ISO/DIS 1837, *Lifting hooks - Nomenclature* - May 4, 2000.
- ISO/DIS 3077, *Short-link chain for lifting purposes - Grade T, (types T, DT and DAT), fine-tolerance hoist chain for power-driven chain hoists* - May 4, 2000.
- ISO/DIS 3745, *Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for anechoic and hemi-anechoic rooms* - May 18, 2000.
- ISO/DIS 3977-6, *Gas turbines - Procurement - Part 6: Combined cycles* - May 11, 2000.
- ISO/DIS 13691, *Gears - High-speed special-purpose gear units for the petroleum, chemical and gas industries* - May 4, 2000.
- ISO/DIS 14694, *Industrial fans - Specifications for balance quality and vibration levels* - May 18, 2000.
- ISO/DIS 15099, *Thermal performance of windows, doors and shading devices - Detailed calculations* - June 10, 2000.
- ISO/DIS 15663-3, *Petroleum and natural gas industries - Life cycle costing - Part 3: Implementation guidelines* - June 3, 2000.
- ISO/DIS 18165, *Petroleum and natural gas industries - Recommended performance testing of cementing float equipment* - May 18, 2000.
- prEN 327 REVIEW, *Heat Exchangers - Forced convection air cooled refrigerant condensers - Test procedure for establishing performance* (for information).
- prEN 1255-15, *Wastewater treatment plants - Part 15: Measurement of the oxygen transfer in clean water in activated sludge aeration tanks* - May 9, 2000.
- prEN 1744-3, *Tests for chemical properties of aggregates - Part 3: Preparation of eluates by leaching of aggregates* - June 13, 2000.
- prEN 13719, *Geotextiles and geotextile-related products - Determination of the long term protection efficiency of geotextiles in contact with geomembranes* - April 14, 2000.

- prEN 13720, *Transportable gas cylinders - Filling conditions for acetylene battery vehicles* - April 4, 2000.
- prEN 13799, *Contents gauges for LPG tanks* - June 20, 2000.
- prEN 13818-1, *Transportable gas cylinders - Identification and marking using radio frequency identification technology - Part 1: Reference architecture and terminology* - June 13, 2000.
- prEN 13821, *Determination of minimum ignition energy of dust/ air mixtures* - June 13, 2000.
- prEN 13826, *Peak expiratory flow meters* - June 20, 2000.
- prEN 61427, *Secondary cells and batteries for solar photovoltaic energy systems - General requirements and methods of test (IEC 61427:1999)* - June 15, 2000.
- prEN ISO 10437, *Petroleum and natural gas industries - Special purpose steam turbines for refinery service (ISO/DIS 10437:2000)* - May 13, 2000.
- prEN ISO 11114-2, *Transportable gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 2: Non-metallic materials* (for information).
- prEN ISO 13706, *Petroleum and natural gas industries - Air-cooled heat exchangers (ISO/FDIS 13706: 1998)* (for information).
- prEN ISO 13995, *Protective clothing - Mechanical properties - Test method for the determination of the resistance to puncture and dynamic tearing of materials* (for information).
- prEN ISO 14923, *Thermal spraying - Characterization and testing of thermally sprayed coatings (ISO/DIS 14923:2000)* - May 6, 2000.

The following newly published international standards are available:

- ISO 2859-4:1999, *Sampling procedures for inspection by attributes - Part 4: Procedures for assessment of stated quality levels.*
- ISO 8044:1999, *Corrosion of metals and alloys - Basic terms and definitions.*
- ISO 9241-9:2000, *Ergonomic requirements for office work with visual display terminals (VDTs) - Part 9: Requirements for non-keyboard input devices.*
- ISO 9606-5:2000, *Approval testing of welders - Fusion welding - Part 5: Titanium and titanium alloys, zirconium and zirconium alloys.*
- ISO 10015:1999, *Quality management - Guidelines for training.*
- ISO 11074-4:1999, *Soil quality - Vocabulary - Part 4: Terms and definitions related to rehabilitation of soils and sites.*
- ISO 16028:1999, *Hydraulic fluid power - Flush-face type, quick-action couplings for use at pressures of 20 MPa (200 bar) to 31,5 MPa (315 bar) - Specifications.*
- ISO 16063-11:1999, *Methods for the calibration of vibration and shock transducers - Part 11: Primary vibration calibration by laser interferometry.*

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing

organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Petroleum Institute

Office: 1220 L Street, NW
Washington, D.C. 20005-4070

Fax: 202-962-4797

Contact: Roland Goodman, goodmanr@api.org

- API 510, *Pressure Vessel Inspection Code: Maintenance Inspection, Rating, Repair, and Alteration* (revision of ANSI/API 510-1992).

Contact: Andrea Johnson, johnsona@api.org

- API 1160 (First Edition), *High Consequence Area Pipe Integrity Standard* (new standard).

American Society of Quality

Office: 611 E. Wisconsin Avenue
Milwaukee, WI 53201-3005

Fax: 414-272-1734

Contact: Margie Wirth, mwirth@asq.org

- ISO/ASQ Q10015-1999, *Quality Management - Guidelines for Training* (new standard).

American Welding Society

Office: 550 N.W. LeJeune Road
Miami, FL 33126

Fax: 305-443-5951

Contact: William Oates, boates@aws.org

- AWS B5.15, *Specification for Qualification of Radiographic Interpreters* (new standard).

Standards Engineering Society

Office: Virginia Beach, VA 23451

Fax: 425-747-4434

Contact: Paul Mercer, paulm@usainfo.com

- SES 1, *Recommended Practice for Standards Designation and Organization* (revision of ANSI/SES 1-1995).

Underwriters Laboratories, Inc.

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

Fax: 919-547-6018

Contact: Traci Young, traci.r.young@us.ul.com

- UL 698A, *Standard for Industrial Control Panels Relating to Hazardous (Classified) Locations* (new standard).

Office: 333 Pfingsten Road
Northbrook, IL 60004

Fax: 847-509-6217

Contact: Mitchell Gold, goldm@ul.com

- UL 1741, *Standard for Safety for Static Inverters and Charge Controllers for Use in Photovoltaic Power Systems* (new standard).

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may

be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from ASTM Standardization News and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination: (the due date for all items is April 10, 2000).

- New Standard, *Specification for Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction* (Ref. Z4208Z).
- New Standard, *Specification for Compressed Round Stranded Copper Conductors, Hard, Medium-Hard, or Soft, Using Single Input Wire Construction* (Ref. Z4209Z).
- New Standard, *Guide for Estimating Environmental Costs and Liabilities* (Ref. Z6985Z).
- New Standard, *Test Method for Determining the Fire-Endurance of Perimeter Fire Barrier Systems Using the Intermediate-Scale, Multi-Story Test Apparatus* (Ref. Z7211Z).
- New Standard, *Test Method for Time-to-Failure of Plastics Using Plane Strain Tensile Specimens* (Ref. Z7266Z).
- New Standard, *Terminology Relating to Anchors in Concrete and Masonry Elements* (Ref. Z7467Z).
- New Standard, *Guide for Evaluation of Measurements Made by On-Line Coal Analyzers* (Ref. Z7477Z).
- New Standard, *Test Method for Determination of Slow Crack Growth Parameters of Advanced Ceramics by Constant Stress-Rate Flexural Testing at Elevated Temperatures* (Ref. Z7556Z).
- New Standard, *Method for Measurement of Mass Loss and Ignitability for Screening Purposes Using a Conical Radiant Heater* (Ref. Z7704Z).
- New Standard, *Practice for Environmental Regulatory Compliance Audits* (Ref. Z7967Z).
- New Standard, *Guide for the Use of Activity and Use Limitations, Including Institutional and Engineering Controls* (Ref. Z7982Z).
- New Standard, *Practice for Manual Sampling of Coal From Stockpiles* (Ref. Z7994Z).
- New Standard, *Terminology of Sustainability Relative to the Performance of Buildings* (Ref. Z8032Z).
- New Standard, *Practice for Data Collection for Sustainability Assessment of Building Elements* (Ref. Z8033Z).
- New Standard, *Guide for Testing the Thermal Properties of Advanced Ceramics* (Ref. Z8041Z).
- New Standard, *Practice for Instrumented Package Shock Testing for Determination of Package Performance* (Ref. Z8123Z).
- New Standard, *Test Method for Refrigerant Extraction of Electrical Insulating Materials* (Ref. Z8220Z).
- New Standard, *Test Method for Determination of Aromatic Hydrocarbon Types in Middle Distillates—High Performance Liquid Chromatography Method with Refractive Index Detection* (Ref. Z8307).
- A 31-95, *Specification for Steel Rivets and Bars for Rivets, Pressure Vessels* (revised standard).
- C 71-99a, *Terminology Relating to Refractories* (revised standard).

- C 987-88(1993), *Practice for Vapor Attack on Refractories for Furnace Superstructures* (revised standard).
- D 121-99, *Terminology of Coal and Coke* (revised standard).
- D 2013-86(1994), *Method of Preparing Coal Samples for Analysis* (revised standard).
- E 736-92, *Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members* (revised standard).
- E 943-97b, *Terminology Relating to Biological Effects and Environmental Fate* (revised standard).
- E 978-92, *Practice for Evaluating Mathematical Models for the Environmental Fate of Chemicals* (revised standard).
- E 1591-94 (Includes changes to title), *Guide for Data for Fire Models* (revised standard).

The following newly published standards are available from ASTM:

- A 266/A 266M-99, *Specification for Carbon Steel Forgings for Pressure Vessel Components* (revised standard).
- A 1001-99, *Specification for High Strength Steel Castings in Heavy Sections* (new standard).
- D 883-99, *Terminology Relating to Plastics* (revised standard).
- E 176-99a, *Terminology of Fire Standards* (revised standard).
- E 180-99, *Practice for Determining the Precision of ASTM Methods for Analysis and Testing of Industrial and Speciality Chemicals* (revised standard).
- E 575-99, *Practice for Reporting Data From Structural Tests of Building Constructions, Elements, Connections, and Assemblies* (revised standard).
- E 1594-99, *Guide for Expression of Temperature* (revised standard).
- E 2047-99, *Test Method for Wet Insulation Integrity Testing of Photovoltaic Arrays* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

Addresses: *Standards Actions* and *The Standards Forum* are now being published electronically and will be available only via your access to the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). However, we would like to maintain both our e-mail and surface mail distribution lists so that we can send you special notices concerning technical standards and the DOE Technical Standards Program. Although we may currently have your surface mail address, we have e-mail addresses for only a few of you. We are requesting that those of you who are interested in receiving special notices please contact Marty Marchbanks, ORNL, 865-241-3658, Fax 865-574-0382, mmf@ornl.gov, and give him your updated e-mail and surface mail addresses.

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